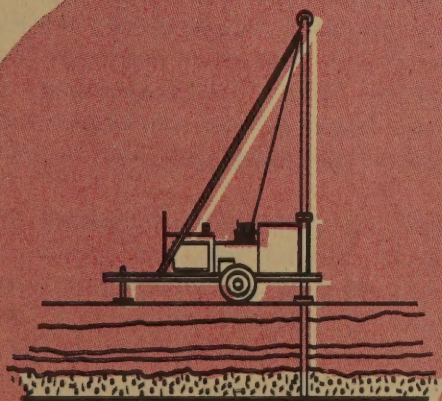
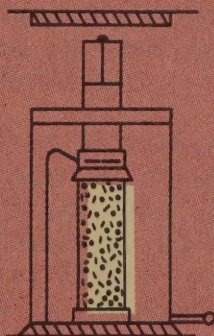


STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

RAYMOND T. SCHULER, COMMISSIONER

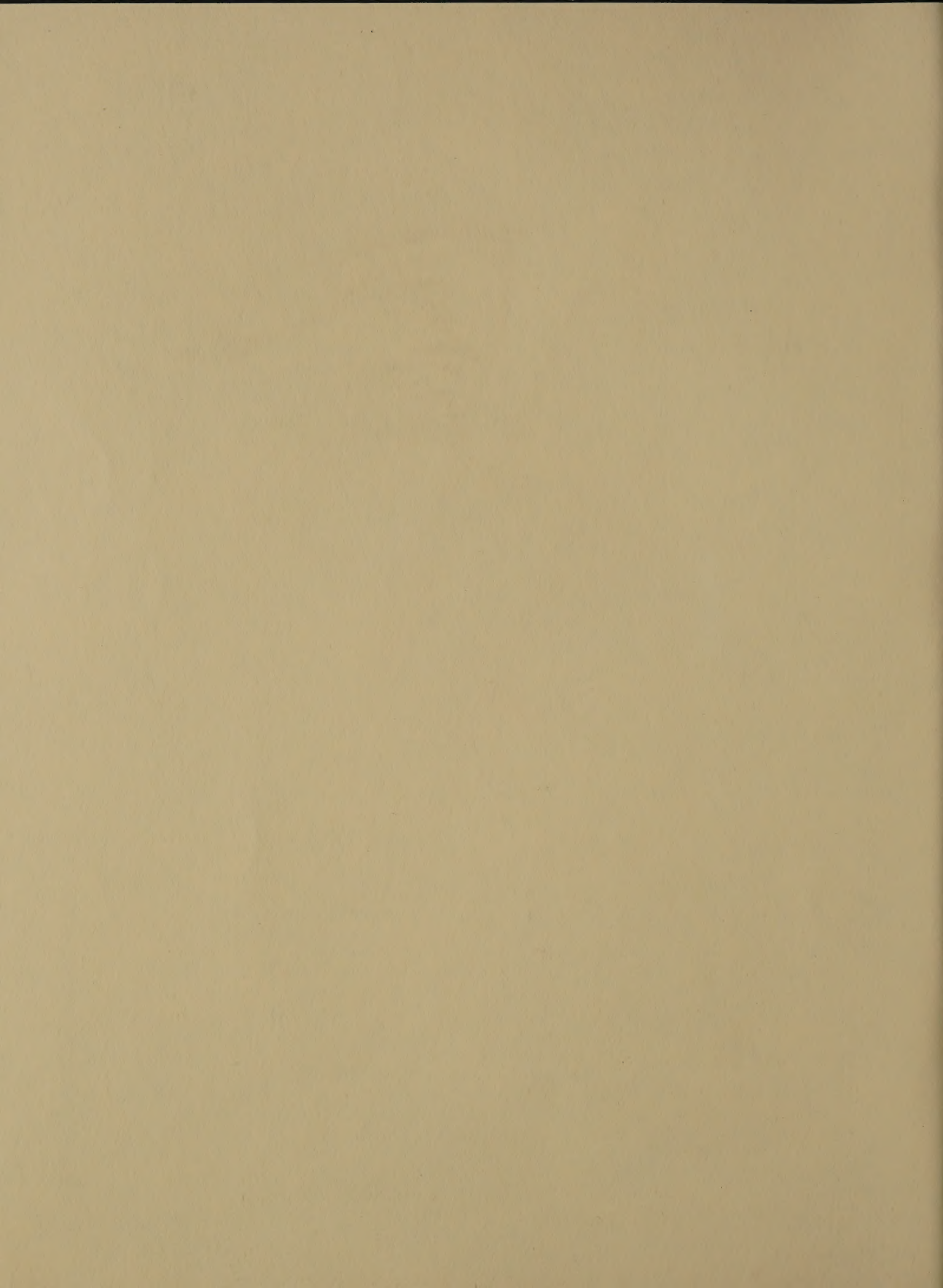


SOIL MECHANICS
BUREAU



TEST WELL REPORT
PROPOSED COMFORT STATION
I-508;
WORCESTER-E. WORCESTER
CONTRACT D95277
OTSEGO COUNTY
PIN: 9357.12.211

JUNE 1977



MEMORANDUM
DEPARTMENT OF TRANSPORTATION

DATE May 23, 1977

SUBJECT TEST WELL CONSTRUCTION REPORT
PROPOSED COMFORT STATION
I-508; WORCESTER-EAST WORCESTER
D95277; PIN: 9357.12.211; OTSEGO COUNTY
FROM A. Yatsevitch, Assistant Engineering Geologist
TO E. M. Moody, Senior Soils Engineer ✓

A. Yatsevitch

The pre-construction meeting for the subject project was held on January 12, 1977, in the Region 9 offices at 44 Hawley Street, Binghamton. The full content of the meeting is covered in the pertinent notes thereof maintained by the Region. The points of interest relating to the construction of the two wells were discussed between Mr. Thomas Tully (Contractor), Mr. Harry Carlson (Regional Construction Supervisor), Mr. A. Boone (Project E.I.C.) and this writer. Final locations for the wells were obtained from the Regional landscape architects, arrangements were made for the Region to stake out those locations and a proposed starting date of January 17 was agreed upon. On January 17 a meeting was held at the project site with Mr. Leo Kay (driller), and Mr. Boone. The cold weather and drifted snow delayed access to the site. The remainder of the week was used toward getting the drilling rig and supporting equipment onto the site and in position to start drilling.

Well No. 1 was started on Friday, January 21, 1977. A roller bit and reamer were used in overburden to approximately 60 feet at which point a detergent mix was used as drilling fluid to retain air pressure and keep the hole open. Top of rock was encountered at approximately 167 feet. The hole was continued to 178 feet before sound rock was encountered. On Monday, January 24, the casing was placed and seated into rock. Drilling was started into rock and the casing was again resealed due to excessive clay apparently washing in from above the interface through the fractured zone at the top of rock. Drilling was continued into rock on January 25 to a depth of 285 feet where total water production from three water zones was estimated at over 35 gallons per minute. The hole was continued to 295 feet total depth to provide a sedimentation "tail" below the water producing zones. The well was developed by pressurized air until the water cleared and the casing was capped pending pumping tests.

On Wednesday, January 26, Well No. 2 was started. Drilling procedure using a roller bit and reamer with a detergent medium was used in the overburden to top of rock at 152 to 155 feet. Sound rock was reached at approximately 182 feet. On January 27 casing was pushed into the hole and seated into the rock until refusal. The hole was progressed into rock through two water zones to 215 feet where output was estimated at over 40 gallons per minute. On January 28 attempts were made to clear the water using compressed air but, as in Well No. 1, excessive clay "slick" was present from above the rock interface. The casing was resealed again gaining another 1.5 ft. with the shoe seated at approximately 180.5 feet. The well was subsequently surged with compressed air until the "slick" disappeared and the water was reasonably clear. Pumping tests for the two wells were scheduled for Monday, January 31, 1977.

NYS
Library
50 Wolf Road, POD 34
Albany, New York 12232

E. M. Moody
May 23, 1977
Page 2

Pumping tests on Well No. 1 were concluded the morning of February 1, and on Well No. 2 on February 2, 1977. Water samples were taken by this writer at the conclusion of each test and delivered to the D.O.H. laboratories in Albany for quality analysis. The tabulations of the pumping tests and the results of the water analyses are attached, as are the well logs compiled by this writer from drilling chips recovered by compressed air.

AY:sd
Attachments

✓ 124,

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 1 OF 1)

LAB ACCESSION NO: 00618 YR/MO/DAY/HR SAMPLE REC'D: 77/02/01/09

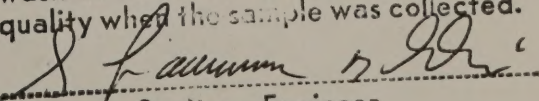
REPORTING LAB: 01 CENTRAL AVE. LAB
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 3873 COUNTY: OTSEGO
COORDINATES: DEG 1 "N, DEG 1 "W
COMMON NAME INCL SUBMISHED: 188 REST AREA SECT-12 EAST WORCESTER

EXACT SAMPLING POINT: WELL NO.1
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 02/01/04
REPORT SENT TO: CO (2) RO (0) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
026800 STD. PLATE COUNT 48 HR /ML		2.	
027000 COLIF. MF COL/100ML		1.	LT

DATE COMPLETED: 2/08/77

These results indicate that the water
was..... of a satisfactory sanitary
quality when the sample was collected.


Sanitary Engineer

NEW YORK STATE DEPT. OF HEALTH
ONEONTA DISTRICT OFFICE
P.O. BOX 459 UPPER WEST ST.
ONEONTA NEW YORK 13820

SUBMITTED BY: HOFMANN

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORY AND DIAGNOSTIC
CONFIDENTIAL - HEALTH DIVISION

REPORT OF EXAMINATION
DATE: 10/10/1954

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 11/15/2000 BY 10450

EXAMINATION OF: [illegible]

DATE OF EXAMINATION: 10/10/54

EXAMINER: [illegible]

TESTS PERFORMED: [illegible]

RESULTS: [illegible]

DISCUSSION: [illegible]

CONCLUSION: [illegible]

SIGNATURE: [illegible]

DATE: 10/10/54

TESTS PERFORMED: [illegible]

RESULTS: [illegible]

DISCUSSION: [illegible]

CONCLUSION: [illegible]

SIGNATURE: [illegible]

DATE: 10/10/54

TESTS PERFORMED: [illegible]

RESULTS: [illegible]

DISCUSSION: [illegible]

CONCLUSION: [illegible]

SIGNATURE: [illegible]

DATE: 10/10/54

TESTS PERFORMED: [illegible]

RESULTS: [illegible]

DISCUSSION: [illegible]

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SIGNATURE: [illegible]

DATE: 10/10/54

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DISCUSSION: [illegible]

CONCLUSION: [illegible]

SIGNATURE: [illegible]

DATE: 10/10/54

TESTS PERFORMED: [illegible]

RESULTS: [illegible]

DISCUSSION: [illegible]

CONCLUSION: [illegible]

SIGNATURE: [illegible]

DATE: 10/10/54

TESTS PERFORMED: [illegible]

RESULTS: [illegible]

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 2)

LAB ACCESSION NO: 00211 YR/MO/DAY/HR SAMPLE REC'D: 77/02/01/11

REPORTING LAB: 10 GRIFFIN LAB

PROGRAM: 820 NYS DEPT. OF TRANSP.

STATION (SOURCE) NO:

DRAINAGE BASIN: NY GAZETTEER NO: 3873 COUNTY: OTSEGO

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBVISED: 188 REST AREA SECT 12, E WORCESTER

EXACT SAMPLING POINT: WELL #1

TYPE OF SAMPLE: 12 WATER, DRILLED WELL

10/DAY/HR OF SAMPLING: FROM 00/00 TO 02/01/04

REPORT SENT TO: CO (1) RO (0) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
000100 COLOR (APPARENT)		9.	
000501 NITROGEN, AMMONIA	MG/L	0.35	
000709 NITROGEN, NITRITE	MCG/L	5.	LT
000801 NITROGEN, NITRATE & NITRITE	MG/L	0.2	LT
001001 CHLORIDE	MG/L	26.	
001101 HARDNESS, TOTAL AS CaCO3	MG/L	75.	
001501 ALKALINITY, M'ORANGE,	MG/L	106.	
001900 PH (LABORATORY)		8.2	
006501 C.O.D.	MG/L	4.	LT
010001 IRON	MG/L	0.44	
010201 MANGANESE	MG/L	0.08	
010701 SODIUM	MG/L	35.	
000200 TURBIDITY, N.T.U. NEPHEL.		5.3	

DATE COMPLETED: 2/24/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES
NYS DEPT. OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

SUBMITTED BY: WP HOFMAN

NEW YORK STATE DEPARTMENT OF TAXATION
 DIVISION OF TAXATION
 ALBANY, NEW YORK

STATE OF NEW YORK

IN SENATE
 JANUARY 1, 1911

REPORT OF THE COMMISSIONERS OF THE STATE DEPARTMENT OF TAXATION
 FOR THE YEAR 1910
 ALBANY: J.B. LIPPINCOTT COMPANY, PRINTERS
 1911

STATE OF NEW YORK	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901	900	899	898	897	896	895	894	893	892	891	890	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NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 2 OF 2)

LAB ACCESSION NO: 00211 YR/MO/DAY/HR SAMPLE REC'D: 77/02/01/11

REPORTING LAB: 10 GRIFFIN LAB
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 3873 COUNTY: OTSEGO
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBMISHED: 188 REST AREA SECT 12, E WORCESTER

EXACT SAMPLING POINT: WELL #1
TYPE OF SAMPLE: 12 WATER, DRILLED WELL
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 02/01/04
REPORT SENT TO: CO (1) RO (0) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
100300	ODOR, COLD	3, SULF	

DATE COMPLETED: 2/24/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES
NYS DEPT. OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

SUBMITTED BY: WP HOFMAN



NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 1)

LAB ACCESSION NO: 00727 YR/MO/DAY/HR SAMPLE REC'D: 77/02/03/13

REPORTING LAB: 01 CENTRAL AVE, LAB

PROGRAM: 820 NYS DEPT. OF TRANSP.

STATION (SOURCE) NO:

DRAINAGE BASIN: NY GAZETTEER NO: 3873 COUNTY: OTSEGO

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBVISED: REST AREA 188 SECT 12

EXACT SAMPLING POINT: WELL NO.2

TYPE OF SAMPLE: 01 PWS, UNCHLOR.

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 02/02/18

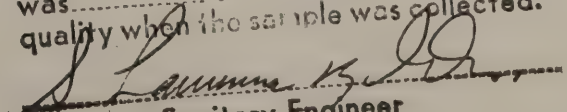
REPORT SENT TO: CO (0) RO (0) LPHE (2) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
026800 STD. PLATE COUNT 48 HR /ML		1.	LT
027000 COLIF. MF COL/100ML		1.	LT

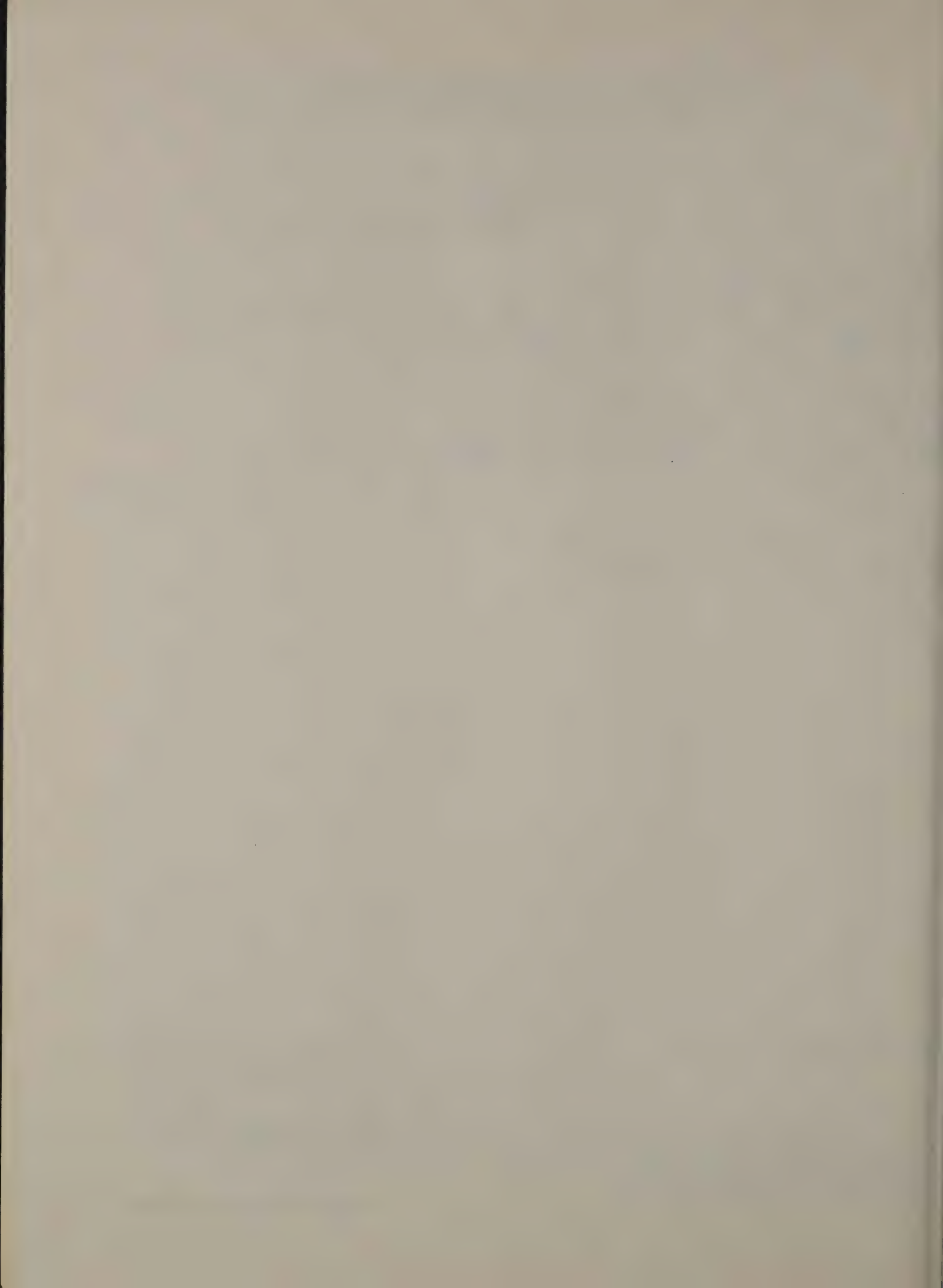
DATE COMPLETED: 2/07/77

NEW YORK STATE DEPT. OF HEALTH
ONEONTA DISTRICT OFFICE
P.O. BOX 459 UPPER WEST ST.
ONEONTA NEW YORK 13820

These results indicate that the water
was _____ of a satisfactory sanitary
quality when the sample was collected.


Sanitary Engineer

SUBMITTED BY: HOFMANN



NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 2)

LAB ACCESSION NO: 00232 YR/MO/DAY/HR SAMPLE REC'D: 77/02/03/11

REPORTING LAB: 10 GRIFFIN LAB

PROGRAM: 820 NYS DEPT. OF TRANSP.

STATION (SOURCE) NO:

DRAINAGE BASIN: 00 NY GAZETTEER NO: 3873 COUNTY: OTSEGO

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBV'SHED: 188 REST AREA SEC. 12, E. WORCESTER

EXACT SAMPLING POINT: WELL #2

TYPE OF SAMPLE: 12 WATER, DRILLED WELL

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 02/03/11

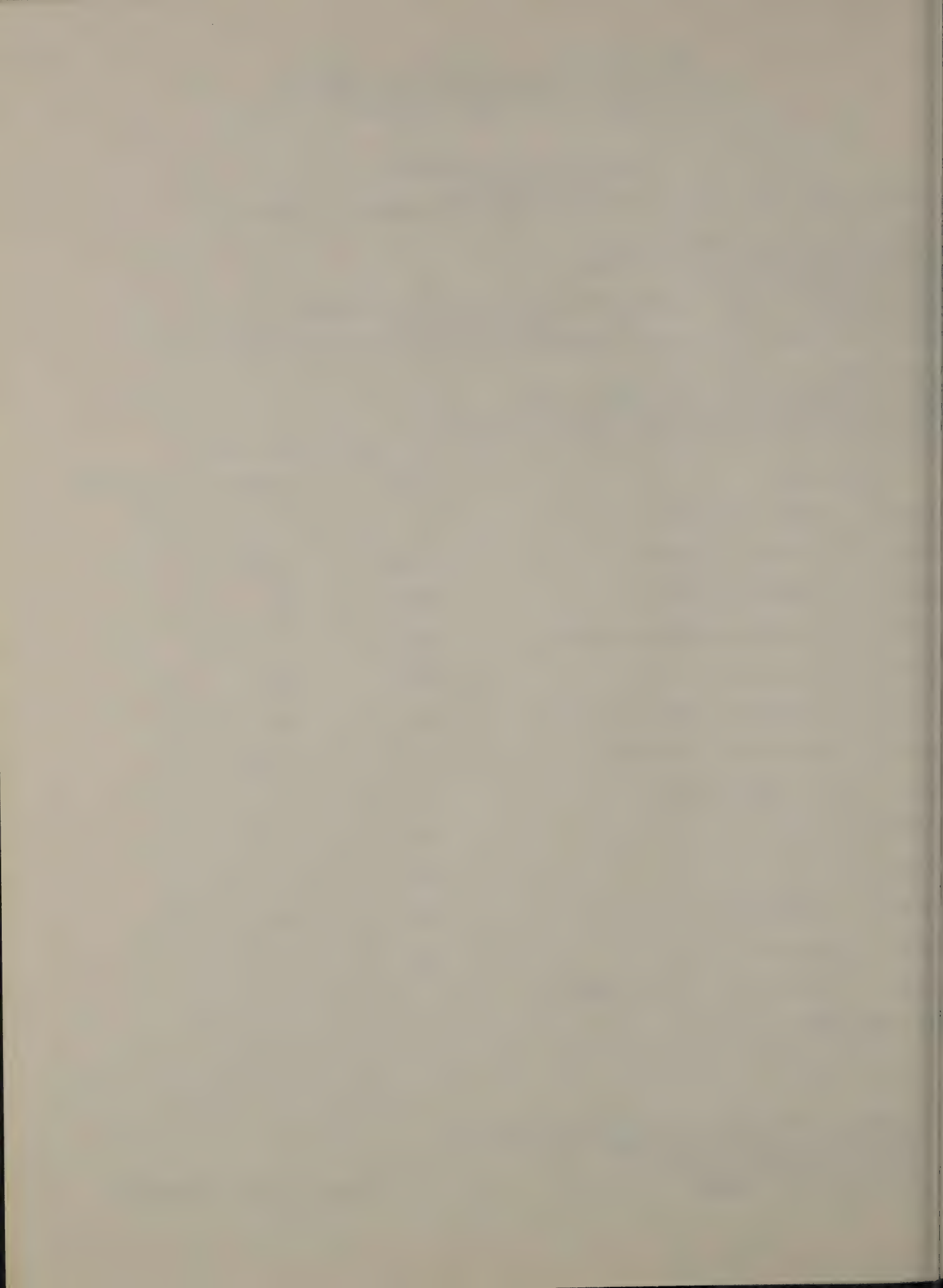
REPORT SENT TO: CO (1) RO (0) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
000100 COLOR (APPARENT)		12.	
000501 NITROGEN, AMMONIA	MG/L	0.35	
000709 NITROGEN, NITRITE	MCG/L	5.	
000801 NITROGEN, NITRATE & NITRITE	MG/L	0.2	LT
001001 CHLORIDE	MG/L	22.	
001101 HARDNESS, TOTAL AS CaCO ₃	MG/L	80.	
001501 ALKALINITY, M'ORANGE,	MG/L	102.	
001900 PH (LABORATORY)		8.1	
006501 C.O.D.	MG/L	13.	
010001 IRON	MG/L	0.16	
010201 MANGANESE	MG/L	0.07	
010701 SODIUM	MG/L	30.3	
000200 TURBIDITY, N.T.U. NEPHEL.		1.1	

DATE COMPLETED: 5/11/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES
NYS DEPT. OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

SUBMITTED BY: W. HOFMANN



NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 2 OF 2)

LAB ACCESSION NO: 00232 YR/MO/DAY/HR SAMPLE REC'D: 77/02/03/11

REPORTING LAB: 10 GRIFFIN LAB
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: 00 NY GAZETTEER NO: 3873 COUNTY: OTSEGO
COORDINATES: DEG 1 "N, DEG 1 "W
COMMON NAME INCL SUBWISHED: 188 REST AREA SEC. 12, E. WORCESTER

EXACT SAMPLING POINT: WELL #2
TYPE OF SAMPLE: 12 WATER, DRILLED WELL
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 02/03/11
REPORT SENT TO: CO (1) RO (0) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
00300 ODOR, COLD		1, VEGET	

DATE COMPLETED: 5/11/77

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES
NYS DEPT. OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

SUBMITTED BY: W. HOFMANN

TULLY DRILLING COMPANY, INC.

Poyntelle, Pa. 18454

RECORD OF WELL PUMPING TEST

Sheet No. 1 of 2

Date 1-31-77 2-1-77

OWNER N. Y. S. D. O. T.

(Name and Address)

ENGINEER

or

~~*****~~ A. H. Boone

WELL No. 1

WELL NO. 1 LOCATION: Otsego Co. I-88

Contract No. D95277

RESULTS:

Static level 31 ft.

TIME	GPM	WATER LEVEL (FEET BELOW REF. PT.)	DRAWDOWN (FEET)	* WATER
4:45 PM	25	31	--	turbid
4:47	25	33	2	"
4:51	25	33	2	"
4:56	25	33	2	"
5:15	25	33	2	"
Increased GPM to 40.8 at 5:15 PM				
5:18	40.8	35	4	"
5:30	40.8	35	4	clear
5:00	40.8	35	4	"
5:30	40.8	35	4	"
7:00	40.8	35	4	"
7:30	40.8	35	4	"
8:00	40.8	35	4	"
8:30	40.8	35	4	"
9:00	40.8	35	4	"
9:30	40.8	35	4	"
10:00	40.8	35	4	"
10:30	40.8	35	4	"
11:00	40.8	35	4	"
11:30	40.8	35	4	"
12:00	40.8	35	4	"
12:30 AM	40.8	35	4	"
1:00	40.8	35	4	"
1:30	40.8	35	4	"
2:00	55.5	38	7	"
2:30	55.5	38	7	"

Increased GPM at
1:45 to 55.5

* NOTE WHETHER WATER IS CLEAR OR TURBID



Poyntelle, Pa. 18454

Sheet No. 2 of 2

Date 2-1-77

N. Y. S. D. C. T.

(Name and Address)

Well No. 1

A. H. Boone

NO. 1 LOCATION: Otero Co. T-28 Contract no. D9 277

Contract no. D9 277

RESULTS:

[illegible]

NOTE WHETHER WATER IS CLEAR OR TURBID



TULLY DRILLING COMPANY, INC.

Poyntelle, Pa. 18454

RECORD OF WELL PUMPING TEST

Sheet No: 1 of 1

Date 2-2-77

OWNER N. Y. S. D. O. T.

(Name and Address)

ENGINEER

or
INSPECT

A. H. Boone

Well No. 2

WELL NO. 2 LOCATION: Otsoro Co. I-18 Contract No. D95277

TEST RESULTS:

Static level 27 ft.

TIME	GPM	WATER LEVEL (FEET BELOW REF. PT.)	DRAWDOWN (FEET)	* WATER
6:20 AM	42.3	27	--	clear
6:22	42.3	28	1	"
6:30	42.3	29	2	"
7:00	41.5	29	2	"
7:30	40.8	29	2	"
8:00	40.8	29	2	"
8:30	40.8	29	2	"
9:00	40.8	29	2	"
9:30	40.8	29	2	"
10:00	40.8	29	2	"
10:30	40.8	29	2	"
11:00	40.8	29	2	"
11:30	40.8	29	2	"
12:00 NOON	40.8	29	2	"
12:30	40.8	29	2	"
1:00	40.8	29	2	"
1:30	60	29.5	2.5	"
2:00	60	29.5	2.5	"
2:30	60	29.5	2.5	"
3:00	60	29.5	2.5	"
3:30	60	29.5	2.5	"
4:00	60	29.5	2.5	"
4:30	60	29.5	2.5	"
5:00	60	29.5	2.5	"
5:30	60	29.5	2.5	"
6:00	60	29.5	2.5	"
6:20	60	29.5	2.5	"

Increased GPM
at 1:00 to 60

* NOTE WHETHER WATER IS CLEAR OR TURBID

PIN: 9357.12.311
WELL NO. 1

0- 10'	Sandy coarse gravel. Some silt.
10- 20'	Silty fine sand. Some coarse sand. Trace gravel.
20- 30'	Sandy fine gravel. Some coarse sand. Some silt.
30- 40'	Silty coarse sand. Some fine sand
	Detergent agent started.
40- 50'	Sandy fine gravel. Some silt.
50- 60'	Sandy fine gravel. Some silt.
60- 70'	Silty fine to coarse sand.
168'	Silty fine sand. Some clay.
174'	Top of rock. Fine grained medium & dark gray sandstone.
180'	Fine grained medium gray sandstone.
190'	Fine grained medium gray sandstone. Trace pyrite.
200'	Fine grained medium gray sandstone. Somewhat more pyrite.
210'	Fine grained medium gray sandstone. Trace pyrite.
220'	Fine grained medium gray sandstone. Trace mica.
230'	Fine grained medium gray sandstone. Somewhat phyllitic texture.
240'	Fine grained medium-light gray quartzitic sandstone.
250'	Fine grained medium gray sandstone. Somewhat phyllitic texture.
260'	Fine grained medium gray sandstone.
270'	Fine grained medium-light gray sandstone. Somewhat phyllitic texture.
280'	Fine grained medium gray sandstone. Somewhat phyllitic texture.
290-295'+	Fine grained medium gray sandstone.

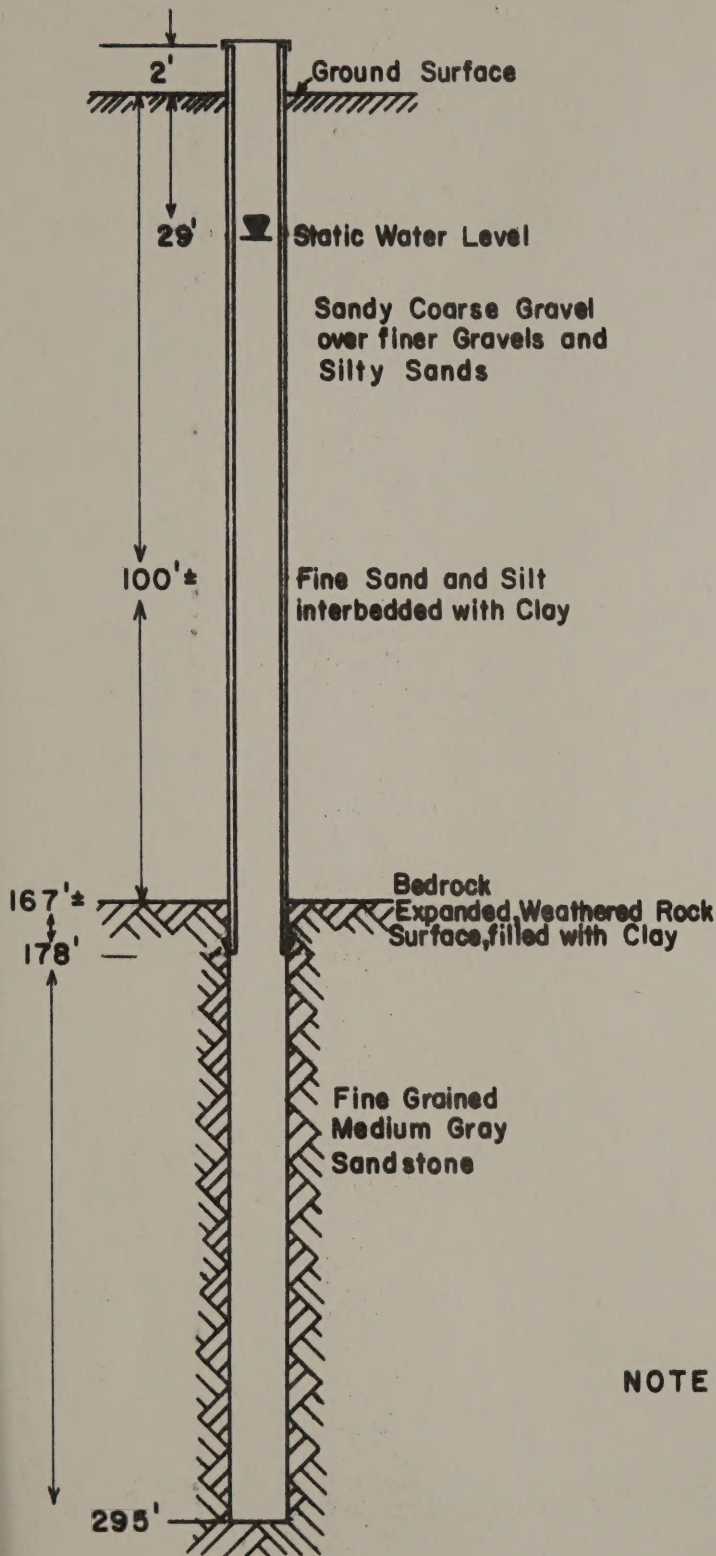
-End-

PIN: 9357.12.311
WELL NO. 2

0-10' Sandy coarse gravel. Some silt.
10-20' Fine sand. Some medium sand.
20-30' Silty fine sand.
(Detergent agent started)
155'+ Pipe sample. Fine sandy gravel. Some clay. Top of rock.
178'+ Pipe sample. Fine to medium sand. Some clay.
(182' - solid rock)
to 215' Fine grained, medium to dark gray sandstone. Occassional pyrite.

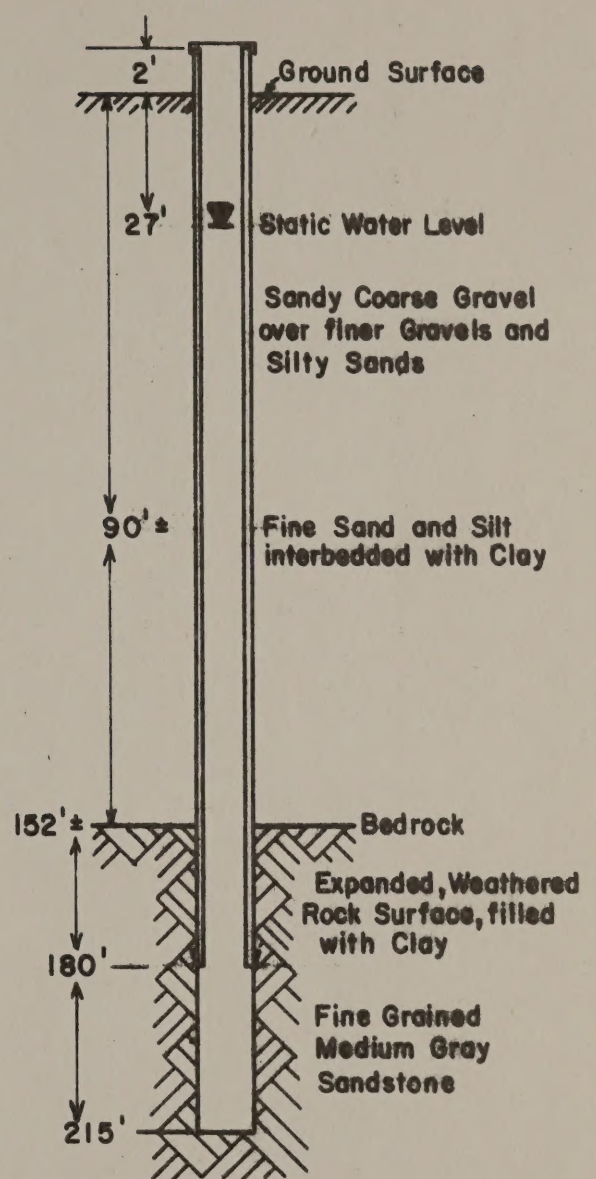
-End-

WELL NO. 1



"P" LINE STATION
80+24 509' Lt.

WELL NO. 2



"P" LINE STATION
81+07 554' Lt.

NOTE: All depths shown are referenced to Ground Surface.
No scale applies to these Well Profiles.

TEST WELLS FOR PROPOSED COMFORT STATION

I-508; WORCESTER - EAST WORCESTER
OTSEGO COUNTY
P.I.N. 9357.12.311

01615



LRI